

- w_E Eutectic concentration
- T_E Eutectic temperature
- T_A Initial temperature of solution
- w_A Initial concentration of solution
- T_I Freezing point of pure solvent
- T_A' Freezing point of solvent
- w_B Final concentration of solution
- T_B Final temperature of solution

FIG. 1

PHASE TRANSITION PROPERTIES OF WATER⁴⁴

| | |
|-------------------------------|-----------------------------|
| Melting point at 1 atm | 0.000°C |
| Boiling point at 1 atm | 100.000°C |
| Critical temperature | 374.15°C |
| Critical pressure | 218.6 atm |
| Triple point | 0.0099°C and 4.579 mmHg |
| Heat of fusion at 0°C | 79.71 cal/g; 1.416 kcal/mol |
| Heat of vaporization at 100°C | 538.7 cal/g; 9.703 kcal/mol |
| Heat of sublimation at 0°C | 12.16 kcal/mol |

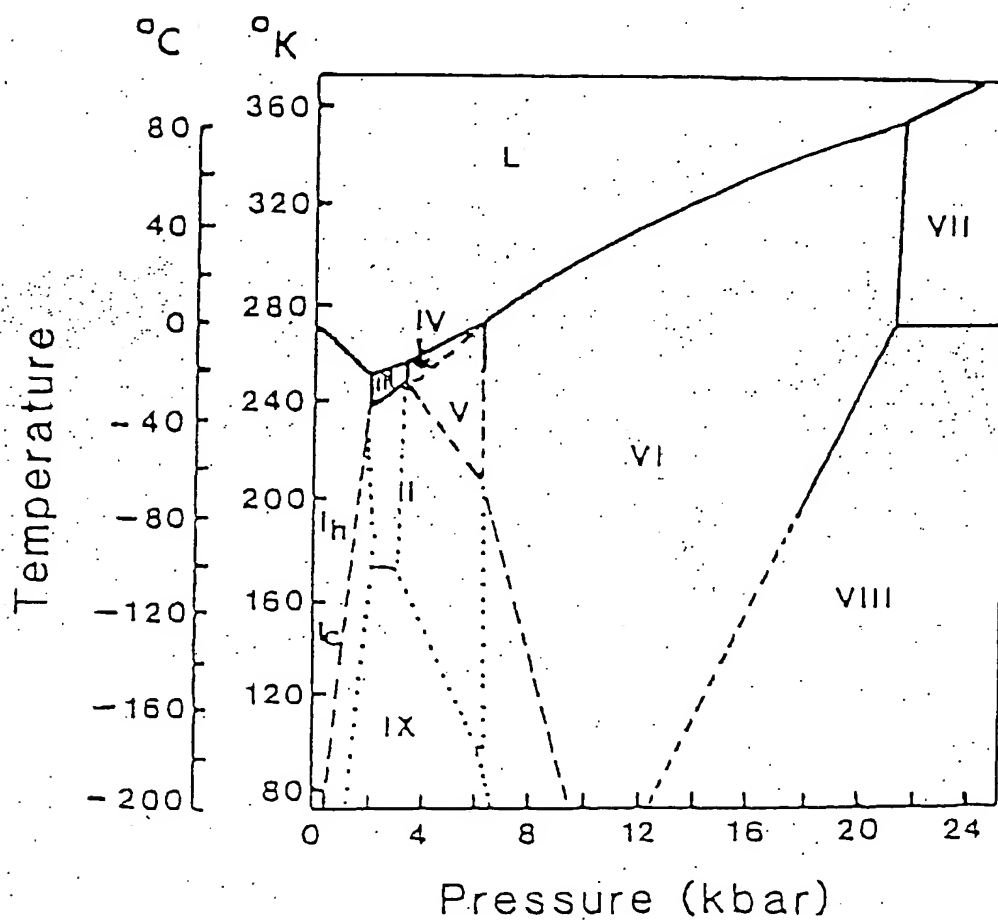


FIG. 2

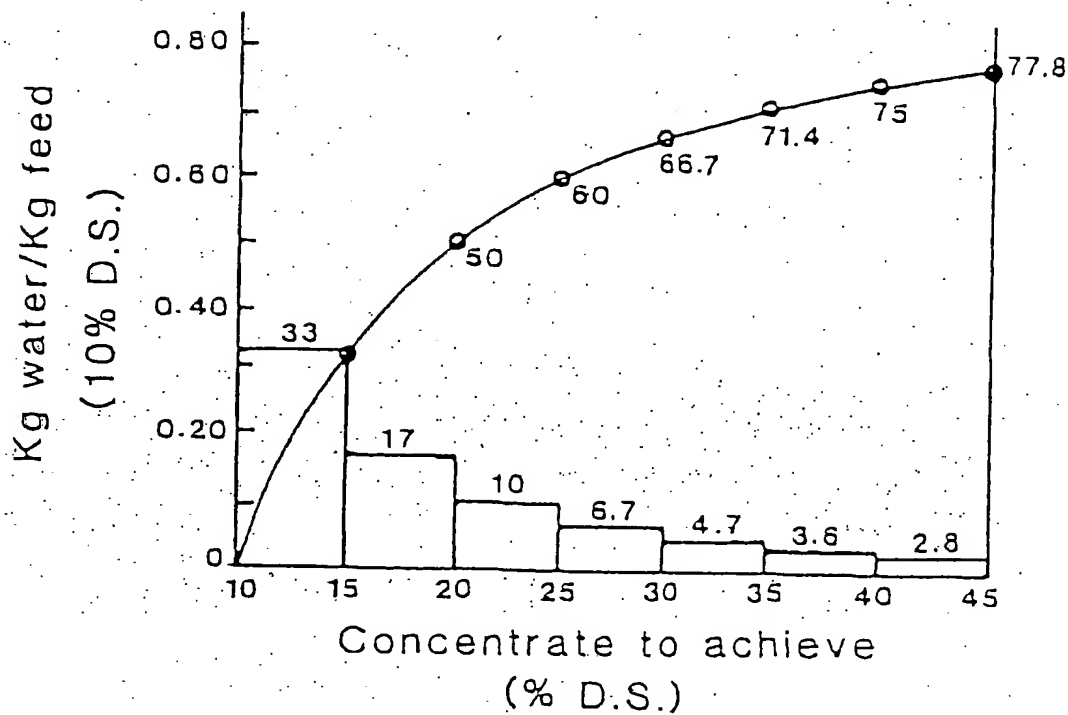


FIG. 3